

Rabbit NDUFS2 Polyclonal Antibody | anti-NDUFS2 antibody

NDUFS2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288866	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Western Blot, Immunohistochemistry, ELISA

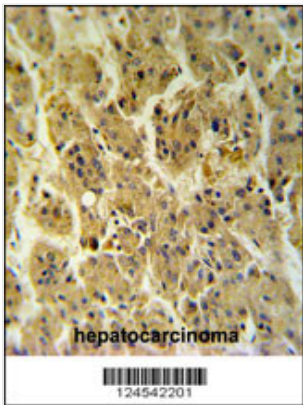
PRODUCT SYNONYMS

NDUFS2; Polyclonal Antibody; NDUFS2 Antibody (Center); NADH dehydrogenase [ubiquinone] iron-sulfur protein 2; mitochondrial; Complex I-49kD; CI-49kD; NADH-ubiquinone oxidoreductase 49 kDa subunit; anti-NDUFS2 antibody

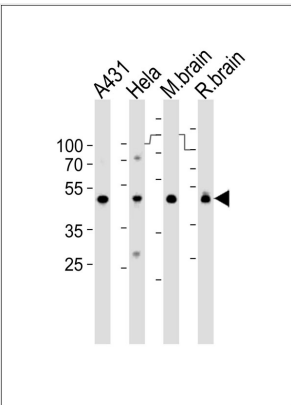
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NDUFS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-315 amino acids from the Central region of human NDUFS2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	286-315
Sequence Length	457
Applicable Applications for anti-NDUFS2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
NDUFS2 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NDUFS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of lysates from A431, HeLa cell line, mouse brain and rat brain tissue lysate(from left to right), using NDUFS2 Antibody (Center). AAA288866 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-NDUFS2 antibody	NDUFS2 is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria.
Product Categories/Family for anti-NDUFS2 antibody	Crown Antibodies; Cancer; Cell Biology; Metabolism; Signal Transduction
References	Saada, A., et al. Am. J. Hum. Genet. 84(6):718-727(2009) Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008) Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008) Ban, M., et al. PLoS ONE 3 (8), E2891 (2008) Triepels, R.H., et al. J. Biol. Chem. 276(12):8892-8897(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	260898743
NCBI GeneID	4720
NCBI Accession #	NP_001159631.1; NP_004541.1
NCBI GenBank Nucleotide #	NM_001166159.1
UniProt Accession #	O75306; Q5VTW0; Q969P3; Q9UEV3; D3DVG7; J3KPM7
Molecular Weight	52546
NCBI Official Full Name	NADH dehydrogenase
NCBI Official Synonym Full Names	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
NCBI Official Symbol	NDUFS2
NCBI Official Synonym Symbols	CI-49
NCBI Protein Information	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial
UniProt Protein Name	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial
UniProt Gene Name	NDUFS2
UniProt Synonym Gene Names	CI-49kD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ndufs2-antibody-western-blot-immunohistochemistry-elisa/288866>